Applicant: Pauli Koutonen
Application No.: 09/905,550
Art Unit: 3654

Remarks

Claims 1–11, and 13–21 remain pending in the application. In the Office Action dated Aug. 30, 2002, claims 1–5 were rejected as anticipated by *Stefanoni*, and claims 1–11 and 13–20 were rejected as unpatentable over *Stefanoni* in view of applicant-submitted prior art. In an advisory action dated November 25, 2002, the examiner refused entry of a proposed amendment to claim 1, and new claim 21. This new amendment repeats the amendments which were refused entry and, in addition, amends the preamble of claims 1, 10, and 18 to limit the claimed method or apparatus to a papermaking line, this preamble limitation breathes life and breath into the claims, serving to distinguish the claims over other types of web slitters. It should be understood that papermaking includes heavier grades of paper sometimes referred to as board or paperboard.

Further, it is useful to consider the differences between the problems underlying the arrangement of *Stefanoni* and that of the present invention. *Stefanoni* uses two sets of blades, one of the sets of blades being used for operation while the other set is provided with new blades (e.g. col. 1, line 60–col. 2, line 2, and FIG. 7 and its description). As is clear from the description of the present patent application, the present invention is based on the fact that when the slitting width positions of the blades are changed and replaced with new positions, the width positions of one set of blades are changed while the other set of blades is still slitting. Claim 18 has been amended for definiteness by consistently referring to first selected widths.

Applicant believes that no new matter has been added by this amendment.

Applicant submits that the claims, as amended, are in condition for allowance. Favorable action thereon is respectfully solicited.

Respectfully submitted,

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Applicant:	Pauli Koutonen	Date:	November 25, 2002
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App. No.:	09/905,550	Art Unit:	3654
For:	Method and Apparatus for Winding a Paper Web	Examiner:	J.Q. Nguyen

Version with Markings to Show Changes Made

Amendments to the Claims, under 37 C.F.R. § 1.121 (c)(1)(ii)

1. (Twice Amended) A method for winding and slitting a paper web in a papermaking line, comprising the steps of:

dividing a web longitudinally into a plurality of slit webs of first selected widths;

winding the slit webs about roll centers, to form rolls at a winding station;

periodically cutting the web in a cross machine direction with a web-severing device in conjunction with a roll set change on the winding station, wherein the improvement comprising:

slitting the web with a first slitter assembly adjusted to the first selected widths, while a second slitter assembly is adjusted into second selected slitting width positions which are different than the first selected widths, followed by cutting the web in the cross machine direction with the web-severing device, followed by slitting the web with the second slitter assembly, while the first slitter assembly is adjusted into alternative selected slitting width positions.

10. (Twice Amended) An apparatus in a papermaking line for slitting and winding a paper web comprising:

a paper web, defining a direction of travel, extending through a first adjustable slitter assembly set to produce a plurality of first slit webs of first selected widths, a second adjustable slitter assembly set to produce a plurality of second slit webs of second selected widths, which differ from the first selected widths, a web-severing device, and a first winder station having a first plurality of roll centers corresponding to the first slit webs of the first selected widths and a second winder station having a second plurality of roll centers corresponding to the second slit webs of the second selected widths, the first winder station and the second winder station being arranged to alternate so as to receive corresponding first slit webs of the first selected widths on the first plurality of roll centers in the first winder station and second slit webs of the second selected widths on the second plurality of roll centers in the second winder station, wherein the first adjustable slitter assembly and the second adjustable slitter assembly are arranged to alternate in cutting the web, and each of the first slitter assembly, and the second slitter assembly being adjustable, when not cutting the web, to vary the web slit widths.

18. (Twice Amended) A method for winding and slitting a paper web in a papermaking line, comprising the steps of:

alternately slitting a moving web, which defines a travel direction, with a first slitter assembly to divide the web longitudinally into a first plurality of slit webs of first selected widths, and winding said first plurality of slit webs onto a first plurality of winding cores of first selected widths, and simultaneously adjusting a second slitter assembly into a second selected slitting width position followed by;

cutting the web in the cross machine direction with a web-severing device in conjunction with a roll set change on a winding station which receives the web from the slitter assemblies, followed by slitting the web with the second slitter assembly and winding said second plurality of slit webs onto a second plurality of winding cores of second selected widths.

Please add the following new claim:

21. A method for winding and slitting a paper web in a papermaking line, comprising the steps of:

dividing a web longitudinally into a plurality of slit webs of first selected widths;

winding the slit webs about roll centers, to form rolls at a winding station;

periodically cutting the web in a cross machine direction with a web-severing device in conjunction with a roll set change on the winding station, wherein the improvement comprises:

slitting the web with a first slitter assembly adjusted to the first selected widths, while a second slitter assembly is adjusted into second selected slitting width positions which are different than the first selected widths, followed by cutting the web in the cross machine direction with the web-severing device, followed by slitting the web with the second slitter assembly, while the first slitter assembly is adjusted into alternative selected slitting width positions; and

wherein, during the roll set change of the winding operation, the first slitter assembly is driven into an open position in order to produce a desired length of full-width web followed by the step of using the web-severing device to apply glue or similar adhesive to an area of the full-width web, after which the second slitter assembly is driven into a slitting position in order to divide the web into slit webs.